

0010/PTO Rev. 6/95	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket Number	23019-07460
<b>COMBINED DECLARATION (37 CFR 1.63) AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b>		First Named Inventor	Ramesh Yarlagadda
		COMPLETE IF KNOWN	
		Application Number	not yet known
		Filing Date	December 10, 2003
		Group Art Unit	not yet known
		Examiner Name	not yet known
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing			

As a below named inventor, I hereby declare that:  
 My residence, mailing address, and citizenship are as stated below next to my name.  
 I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**High Bandwidth Memory Management Using Multi-Bank DRAM Devices**

the specification of which *(Title of Application)*  
☒ is attached hereto  
 OR  
☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).  
 I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.  
 I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations. § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES      NO	
			<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
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			<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto.
60/ 432,528	12/10/2002	

<b>DECLARATION</b>				<b>Page 2</b>	
<p>I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.</p>					
U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)		
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.					
<p>As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:</p>					
<b>Name</b>  <b>Greg T. Sueoka</b>		<b>Registration Number</b> <b>33,800</b>	<b>Name</b>  <b>Eileen A. Lehmann</b> <b>Robert Hulse</b>		<b>Registration Number</b> <b>39,272</b> <b>48,473</b>
<input type="checkbox"/> Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.					
<p>Please direct all correspondence to:</p> <p style="text-align: center;"> <b>Eileen A. Lehmann</b>  <b>Fenwick &amp; West LLP</b>  <b>Silicon Valley Center</b>  <b>801 California Street</b>  <b>Mountain View, CA 94041</b>  <b>U.S.A.</b> </p>					
Telephone		(650) 335-7246		Fax	
				(650) 938-5200	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
<b>Name of Sole or First Inventor:</b>			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name	Ramesh	Middle Initial		Family Name	Yarlagadda
Inventor's Signature					Date
Residence: City		State		Country	Citizenship
Mailing Address					
Mailing Address					
City		State		Zip	Country
<input checked="" type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto					

DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet			
<b>Name of Additional Joint Inventor, if any:</b>				A petition has been filed for this unsigned inventor			
Given Name	Shwetal	Middle Initial		Family Name	Desai	Suffix	
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Mailing Address							
Mailing Address							
City		State		Zip		Country	

<b>Name of Additional Joint Inventor, if any:</b>				A petition has been filed for this unsigned inventor			
Given Name	Harish	Middle Initial		Family Name	Devanagondi	Suffix	
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Mailing Address							
Mailing Address							
City		State		Zip		Country	

<b>Name of Additional Joint Inventor, if any:</b>				A petition has been filed for this unsigned inventor			
Given Name		Middle Initial		Family Name		Suffix	
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Mailing Address							
Mailing Address							
City		State		Zip		Country	

<b>Name of Additional Joint Inventor, if any:</b>				A petition has been filed for this unsigned inventor			
Given Name		Middle Initial		Family Name		Suffix	
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Mailing Address							
Mailing Address							
City		State		Zip		Country	
Additional inventors are being named on supplemental sheet(s) attached hereto							